

CAB MAESTRO 4S PCB SEPARATOR 450/600MM (FR4, AL)



SKU: MAESTRO4S



Cab GmbH MAESTRO 4S - PCB separator equipped with titanium coated blades, 230 Vac 50 Hz.
 Separates both large and small PCBs, quickly and economically.

Available models

- **MAESTRO 4S/450** with blade for the cutting of **FR4** (146990D) or **Aluminium** (146990E)
 Dimensions (LxHxD): 702 x 434 x 425 mm - Max. separation length: **450 mm**
- **MAESTRO 4S/600** with blade for the cutting of **FR4** (146990G) or **Aluminium** (146990H)
 Dimensions (LxHxD): 852 x 434 x 425 mm - Max. separation length: **600 mm**.

Main features

- The blade distance is entered on the operating panel and its adjustment is motor-powered
- Up to 9 programs can be stored
- The materials used for PCBs are FR4 and aluminum
- The continuously adjustable separation length is set with limit switches
- The accumulated cutting performance is displayed for the purpose of scheduling preventive maintenance of the blade.

ATTENTION – Cutting with only a single traverse of the pre-scored groove causes tensile and compressive stresses that can



damage sensitive components near the groove. However, a second traverse of the groove, accompanied by an adjustment of the blade distance, substantially reduces the tensile and compressive stresses. This significantly improves the quality of the populated PCBs.

Specifications

- Separation type: Circular blade (component side), Linear blade (solder side)
- Blade material: tool steel, titanium coated
- Operation optimized **motor driven**
- Separation speed 300/500 mm/s, switchable
- Height of components: Solder and component sides up to 34 mm
- Separation length is continuously adjustable
- Width of supporting table: 200mm
- Outside dimensions increased after separation: typically 0.2mm
- Voltage 100–240 VAC, 50/60 Hz
- Emission sound pressure level: LpA < 70 dB (A)
- Temperature/Humidity not condensing
Operation: + 5 – 40°C / 10 – 85%
Storage: + 0 – 60°C / 20 – 80%
Transport: – 25 – 60°C / 20 – 80%
- Approvals CE, FCC class A.

Programming

- Start Traverse to starting position
- Programs: 9
- Separation steps: 1–5
- Blade distance: 0.9 mm up to 0.05 mm
- Key switch button: Release program selection
- Cutting performance display: up to 99km
- DEL Reset step count
- Power switch ON / OFF
- Foot switch: START Operation
- Safety switch: Emergency stop.

VARIATIONS

SKU	Description	Set-up
146990E		4S/450 mm with blade for Aluminium
146990D		4S/450 mm with blade for FR4
146990H		4S/600 mm with blade for Aluminium
146990G		4S/600 mm with blade for FR4